



- Across
- 2 in a triangle a segment from a vertex of a triangle to the line containing the opposite side perpendicular to that side
 - 4 a triangle with 2 sides of equal length
 - 5 a triangle with a 90 degree angle (2 Words)
 - 7 three or more lines that intersect at a common point (2 Words)
 - 9 segment contained by a secant segment with an endpoint of the circle and at the fixed point outside the circle whose points all lie outside the circle (2 Words)
 - 12 the point of concurrency of the perpendicular bisector of an angle
 - 13 if 2 sides of one triangle are congruent to 2 sides of another triangle, then the 3rd side of the first triangle is longer then the 3rd side of the 2nd triangle (2 Words)
 - 14 the point of intersection of concurrent lines (3 Words)
 - 15 if 2 sides of a triangle are congruent to 2 sides of another triangle and the concluded angle in 1 has a greater measure then the angle in the outer, then the 3rd side of the first triangle is longer then the 3rd side of the second triangle (2 Words)
 - 16 a proof in which one false assumption is made (2 Words)
 - 18 the point of concurrency of the medians of a triangle
 - 20 a statement about geometric figures that has been proved in the past, and can be accepted as the truth in the present without proof
 - 21 a line, segment, or ray that passes through the midpoint of a side and is perpendicular to that side (2 Words)
 - 22 $A < B$ and $a = b$ or $A > B$ (2 Words)
 - 24 a ray that divides an angle into 2 congruent angles (2 Words)
 - 25 a segment within a triangle whose endpoints are midpoints of the sides of the triangle. every triangle as 3 midsegments
 - 26 if $A < B$ and $B < C$ then $A < C$ (2 Words)
 - 27 a triangle whose interior angles are all acute

- Down
- 1 the point of concurrency of the angle bisectors of a triangle
 - 3 the sum of the lengths of any 2 side must be greater then the length of the remaining side (3 Words)
 - 6 the longest side of a right triangle
 - 8 a triangle with 2 equal sides
 - 10 the two angles of an isosceles trapezoid whose vertices are the endpoints of the smaller base (3 Words)
 - 11 an indirect proof in which one assumes that the statement to be proved is false. (3 Words)
 - 17 the point of concurrency of all altitudes of a triangle
 - 19 a line segment with end points that are a vertex of a triangle and the midpoint of the side opposite the vertex
 - 23 a triangle that contains an obtuse interior angle